

18. A solid support comprising a support surface with an array of functionalized sites wherein a solution at a functionalized site is separated from solutions at other functionalized sites by surface tension.

19. The solid support of claim 18 wherein said support surface has $10\text{-}10^4$ functionalized sites per cm^2 .

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20. The solid support of claim 18 wherein said functionalized site is about 50-2000 microns in diameter.

21. The solid support of claim 18 wherein said support surface is glass.

22. The solid support of claim 18 wherein said support surface is selected from the group consisting of nylon, polyethylene, polypropylene, polystyrene and polytetrafluorethylene.

23. The solid support of claim 18 wherein the area of the support surface of the functionalized site has a higher surface tension relative to the support surface surrounding the functionalized site.

24. The solid support of claim 18 wherein said functionalized site provides attachment to a nucleic acid.

25. The solid support of claim 18 wherein said functionalized site provides attachment to a peptide.

26. The solid support of claim 18, 24 or 25 wherein said functionalized site provides a covalent attachment.

27. The solid support of claim 18, 24 or 25 wherein said functionalized site provides a non-covalent attachment.

REMARKS

At page 4, line 25, the incorrect chemical name of "tetradecafluoro-1,1,2,2-tetrahydrooctyle siloxane" is corrected to "tridecafluoro-1,1,2,2-tetrahydrooctyl siloxane". The error is an obvious clerical error because the tetrahydrooctyl moiety only has 13 (trideca-), not 14 (tetradeca-), available positions for fluoro. No new matter is added.

Applicants have added new claims 18-27. Support for these amendments can be found throughout the specification, for example on pages 4-14. No new matter is added.

The Examiner is respectfully requested to enter the amendments.


CONCLUSION

In view of the foregoing amendments and remarks, the Applicants believe the application is in good and proper condition for allowance. Early notification of allowance is earnestly solicited.

If, in the opinion of the Examiner, a telephone conference would expedite the prosecution of the subject application, the Examiner is encouraged to call the undersigned at (650) 463-8109.

Respectfully submitted,

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